FINAL DRAFT SITE INSPECTION REPORT AND HAZARDOUS RANKING SYSTEM MODEL PITT-CONSOL CONOCO, INC. NEWARK, NEW JERSEY

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO.
CONTRACT NO. 68-01-6699
02-8301-05A

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

JANUARY 14, 1985

NUS CORPORATION SUPERFUND DIVISION

SUBMITTED BY

REVIEWED/APPROVED BY

MICHAEL NICHOLAS

PROJECT MANAGER

TERRY A. RITTER

REGIONAL PROJECT MANAGER

248918



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Site Inspection Report

SECTION 1 SITE INSPECTION REPORT EXECUTIVE SUMMARY



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT EXECUTIVE SUMMARY

Pitt-Consol Chemical Co.	NJD004948788
Site Name 191 Doremus Avenue	EPA Site ID Number
Newark, NJ	02-8301-05A
Address	TDD Number

SITE DESCRIPTION

Pitt-Consol Chemical Co. is an inactive chemical plant undergoing dismantlement procedures. The facility will be used as a holding yard for E.I. Dupont DeNemours and Company (Inc.)

The facility covers approximately 37 acres and has a long in history of industrial activity. Wastes from tar processing in the 1950's were stored in surface impoundments. These impoundments were subsequently filled, levelled, and covered with gravel.

Wastes stored in the 3-5 feet deep impoundments consisted of: naphthalene, from the production of mothball and naphthalene flakes, phenolic resins, cresylic acid, coke, roofing pitch, and picric acid.

HAZARD	RANKING	SCORE:			*	
		-				
<u> </u>			 	10 (07 (0.4	

Prepared by: Michael Nicholas of NUS Corporation

Date: 12/27/84

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION				
01 STATE	02 SITE NUMBER			
NJ	D004948188			

VEFA	PART 1 - SITI	SITE INSPECT ELOCATION AND			ATION	NJ	D004948188	
II. SITE NAME AND LOC			-					
O1 SITE NAME (Legal, common, o	r descriptive name of site)		02 STRE	ET, ROUTE NO., OR SP	ECIFIC LOCATION I	ENTIFIER		
Pitt-Consol Chem	ical Co.			191 Doremus Av				1
03 CITY				E 05 ZIP CODE	06 COUNTY		O/COUNTY COOE	08 CONG DIST
Newark		10 TYPE OF OWNERSH	NJ	07105	Essex		013	10
OB COORDINATES LATITUDE 4 0° 4 3' 1 2". N			□ B. FE	DERAL		D. COUNTY B. UNKNOW		'AL
III. INSPECTION INFORM		1 44 45 404 405 405	1011					
	02 SITE STATUS	03 YEARS OF OPERAT	917	1 1984	•			
09 , 12 , 84 MONTH DAY YEAR	S INACTIVE		NÑING YE			INKNOWN		٠•.
04 AGENCY PERFORMING INS								
□ A, EPA (2) B. EPA C	CONTRACTOR NUS Corp	poration	□ C. N	IUNICIPAL 🗆 D. M	UNICIPAL CONTR	ACTOR		
□ E. STATE □ F. STATE	CONTRACTOR		□ G. C	THER			(Name of firm)	,
05 CHIEF INSPECTOR		Name of firm) 06 TITLE			(Specify) 07 ORGANIZA	ION	TOS TELEPHON	E NO
							(201) 225	
Mike Nicholas		Geologist			NUS Corp		12 TELEPHON	
09 OTHER INSPECTORS	•	10 TITLE			11 ORGANIZAT	ION	1.	
Art Rosenbaum		Geologist			NUS Corp).	(201) 225	-6160
Charlotte Ryden		Civil Eng	ineer		NUS Corp		(201) 225	-6160
Nick Dmytryszyn		Environme	ntal l	Engineer	NUS Corp	٠.	⁽ 201 ⁾ 225	-6160
			-				()	
			•				()	
13 SITE REPRESENTATIVES IN	TERVIEWED	14 TITLE		15ADDRESS			16 TELEPHON	IE NO
Gregory J. Hollo	<u>.</u>	Envir. Affa and Occ. He	alth	107 Market Wilmington,			(302)774	-4788
Phil Palmer		Engineer		Newark, NJ			(302)366	-3858
							()	
							()	
							()	14
							()	
		<u> </u>					- <u>h</u> -	
17 ACCESS GAINED BY	18 TIME OF INSPECTION	19 WEATHER COND	TIONS					
(Check one) PERMISSION WARRANT	1:00 PM	Clear, Mi	1d, 8	0-85°F				
IV. INFORMATION AVAIL	LABLE FROM							
01 CONTACT		02 OF (Agency/Organiz	ation)				03 TELEPHONE	NO.
Mank Haylanhast		HCEDA D		••			(201) 321	-6685
Mark Haulenbeek 04 PERSON RESPONSIBLE FO	R SITE INSPECTION FORM	USEPA, RE		I I GANIZATION	07 TELEPHONE	NO.	08 DATE	
Mike Nicholas		NUS Corp.		oion II FIT	201-225-6	160	MONTH DA	YEAR Y

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NJ D004948788

II WACTE CI	TATES, QUANTITIES, AN	D CHARACTER!	STICS			•		
	TATES (Check of that apply)	02 WASTE QUANTI		03 WASTE CHARACT	ERISTICS (Check all that ap	ply)		
		(Measures of	waste quantities ndependent)	X; A. TOXIC E. SOLUBLE I. HIGHLY VOLATILE				
□XA, SOUD □ B, POWDE	☐ E. SLURRY R, FINES MS F. LIQUID	TONS		ID B. CORRO	SIVE F. INFECT	nous 🗗 🕉 J. EXPLOSI	VE I	
C SLUOGE		CUBIC YARDS _		☐ C. RADIOA ☐ D. PERSIS		BLE D L. INCOMPA	ATIBLE	
() D. OTHER	(Specify)	NO. OF DRUMS _		☐ M. NOT APPLICABL			LICABLE.	
III. WASTE T	YPE							
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS			
SLU	SLUDGE							
OLW	OILY WASTE		24,200	cubic yds.	Based on info	ormation gathere	d in	
SOL	SOLVENTS				PA/SI, 3/0	08/83		
PSD	PESTICIDES							
occ	OTHER ORGANIC CH	IEMICALS					•	
ЮС	INORGANIC CHEMIC	ALS	•					
ACD	ACIDS		Unknown		Picric acid	formerly produce	d	
BAS	BASES							
MES	HEAVY METALS							
IV. HAZARDO	DUS SUBSTANCES (S.O. AD	pendix for most frequently	y caed CAS Numbers)					
01 CATEGORY	02 SUBSTANCE N	AME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION	
occ	Petrochemical de	civatives.		Formerly in	surface impoun	dments.	*	
	Napthalene		91-20-3	which were 1	evelled and co	vered with		
	Pheno1		108-95-2	gravel prior				
	Cresylic acid		1.50					
	Coke							
	Roofing pitch							
	other resins							
ACD	Picric acid			Unknown				
	Treffe dela			Olikilowii				
		· · · · · · · · · · · · · · · · · · ·						
				<u> </u>				
				 				
			 					
			 	 				
		 		 			<u> </u>	
			<u> </u>	<u>l</u>		<u> </u>	L	
V. FEEDSTO	CKS (See Appendix for CAS Number	ere)	<u>;·</u>					
CATEGORY	01 FEEDSTOC	KNAME	02 CAS NUMBER	CATEGORY	01 FEEDSTO	OCK NAME	02 CAS NUMBER	
FDS	Information no	t available		FDS				
FDS				FDS				
FDS			†	FDS				
FDS				FDS	-			
	S OF INFORMATION (Cae)	toecht references, e.g.	State lifes, sample engivers.	reportsi				
71.0001100.	y or my ormanical load							
NUS FIT	II Site Inspection	is on 3/08/83	3 and 9/12/84					

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 STTE NUMBER

NJ D004948188

PART 3 - DESCRIPTION OF HA	AZARDOUS CONDITIONS AND INCIDENTS		04948188
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 (2) A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 0	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGED
Water table is close to the surface and may	be in contact with the material in	n the former pi	tch bays.
The groundwater in the area is brackish and	is not used for water supply.		,
01 🖾 B. SURFACE WATER CONTAMINATION 0 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	© POTENTIAL	□ ALLEGED
High water table discharges into the Passai			
Contamination in the groundwater may also		rom the Passaid	: Kiver
is used for recreational and industrial pur	poses.		
01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	□ ALLEGED
No potential exists			
01 Ø D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED. <30 workers	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	E POTENTIAL	□ ALLEGED
The potential exists for explosive condition	ons due to the explosive characteri	stics of picric	acid
when hydrated.	•		
01 🗵 E. DIRECT CONTACT	02 OBSERVED (DATE:)	Ø POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <30 workers	04 NARRATIVE DESCRIPTION		
Workers dismantling the facility could come	e in contact with contaminated soil	. Site is	
inaccessible to general public.			
01 🖫 F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: 5-7.	02 SO OBSERVED (DATE: 9/12/84) 04 NARRATIVE DESCRIPTION	POTENTIAL	□ ALLEGED
Tar wastes are exposed in fill material at	the southern and central portion o	f the site.	
The ground surface elsewhere on site is cov	eredby a layer of gravel.		
01 G. DRINKING WATER CONTAMINATION	02 OBSERVED (DATE:)	POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
No potential exists.			
01 Ø H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:<30	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	& POTENTIAL	☐ ALLEGED
Newtonia diamentaliam the Socialian could come	in contract with contaminated soil		
Workers dismantling the facility could come	in contact with contaminated soil.		
01 🗆 I. POPULATION EXPOSURE/INJURY	02 OBSERVED (DATE:)	POTENTIAL	□ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
No potentail exists.			

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

PART 3 - DES	SITE INSPECTI CRIPTION OF HAZARDO		ND INCIDENTS	NJ D	004948188
IL HAZARDOUS CONDITIONS AND INCID	DENTS (Continued)				
01 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 🗆 C	BSERVED (DATE:) 🛚	POTENTIAL	☐ ALLEGED
Entire facility surface is	covered by asphalt.	aravel or tar wa	stes. No soil	is exposed	on
site. Therefore, no potent				- CAPOSCU	
01 B K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(3) of 3		BSERVED (DATE:) &	POTENTIAL	☐ ALLEGED
There is a potential for fa	una damage if leache	d contaminants	reach the Passai	ic River.	
01 & L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 🗆 0	BSERVED (DATE:) DS	POTENTIAL.	ALLEGED
Leaching of contaminants to	the Passaic River co	uld cause conta	mination of fish	and shell	fish.
01 & M. UNSTABLE CONTAINMENT OF WAS		BSERVED (DATE:) 0	POTENTIAL	☐ ALLEGED
O3 POPULATION POTENTIALLY AFFECTED. The former surface impoundm The impoundments are unstab	ents are partially co	overed with grav	el, but are not rface.	sufficient	ly contained.
01 N. DAMAGE TO OFFSITE PROPERTY AN ARRATIVE DESCRIPTION No potential exists.	02 🗆 C	BSERVED (DATE:) 0	POTENTIAL	O ALLEGED
01 TO CONTAMINATION OF SEWERS. STO 04 NARRATIVE DESCRIPTION The two sump pumps located of				POTENTIAL er Authorit	ALLEGED.
01 P. ILLEGAL/UNAUTHORIZED DUMPING	02 🗆 0	BSERVED (DATE:		POTENTIAL	☐ ALLEGED
04 NARRATIVE DESCRIPTION No potential exists.	•				
05 DESCRIPTION OF ANY OTHER KNOWN, P	OTENTIAL. OR ALLEGED HAZ	ARDS			····
Drum storage areas were loca impoundments were leveled.	ated in and around th	e impoundments.	These may have	e been buri	ed when
III. TOTAL POPULATION POTENTIALLY	AFFECTED: <30				
IV. COMMENTS					
Discolored water was visible					
V. SOURCES OF INFORMATION (Cite specific	references, e. g., stare lies, sample analy:	us, reports;			
NUS FIT II Site Inspection (, , , , , , , , , , , , , , , , , , ,		

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION

I. IDENTIFICATION

O1 STATE 02 SITE NUMBER

N.1 DODAGAS 88

	PART 4 - PERMIT	AND DE	SCRIF	TIVE INFORMAT	ION	NJ D004948188
II. PERMIT INFORMATION						
O1 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE	SSUED	04 EXPIRATION DATE	05 COMMENTS	
	Plant is presen	i tlv und	derao	 na_shut-down_i	l and	
A. NPDES	dismantlement p					
□ B. UIC				The proposed		
□ C. AIR	completion date	for t	nese	rocedures is	<u>arlv 1985.</u>	
D. RCRA			(2.12			
☐ E. RCRA INTERIM STATUS	*See NUS FIT II			83 Site Inspe	tion Repor	t) for
F. SPCC PLAN	past permit in	rormat	ion.			
G. STATE (Specify)						
☐ H. LOCAL _(Specify)		<u> </u>			<u></u> .	· · ·
☐ I. OTHER (Specify)						
☐ J. NONE		<u> </u>				
II. SITE DESCRIPTION						
	2 AMOUNT 03 UNIT OF	MEASURE	04 TF	REATMENT (Check all that a	oply)	05 OTHER
former A. Surface impoundment	24,200 cubic	yds.		INCENERATION		
□ B. PILES			□ в.	UNDERGROUND INJ	ECTION	🖾 A. BUILDINGS ON SITE
C. DRUMS, ABOVE GROUND		+1,	□ c .	CHEMICAL/PHYSICA	L	approximately 15
	proximately 20 emp	<u>y</u>	l .	BIOLOGICAL	•	
E. TANK, BELOW GROUND			□ €.	WASTE OIL PROCES	SING	06 AREA OF SITE
F. LANDFILL			_	SOLVENT RECOVER		37
G. LANDFARM			l _	OTHER RECYCLING/	RECOVERY	(Acres)
THOPEN DUMP IN OTHER buried drums may	he present at site.		□ н.	OTHER	city)	1
(Specify) 7 COMMENTS			L			
The quantity indicated for and a depth of 3 feet. I the 3/02/84 site visit.						
V. CONTAINMENT						
1 CONTAINMENT OF WASTES (Check one)					÷	
A. ADEQUATE, SECURE	☐ B. MODERATE	Ø C. IN	IADEQL	JATE, POOR	D. INSECL	IRE, UNSOUND, DANGEROUS
2 DESCRIPTION OF DRUMS, DIKING, LINERS, BA There were no dikes, line These impoundments were l containment of waste is e	ers, or barriers ins eveled and tar wast	es app	arent	ly spread over		
V. ACCESSIBILITY 01 WASTE EASILY ACCESSIBLE: YES 02 COMMENTS	Ø NO	· · · · · · · · · · · · · · · · · · ·				14 To 1 A A A A A A A A A A A A A A A A A A
Site is completely enclos	ed by a secure chai	n∸link	fenc	e. Access is	strictly co	ontrolled through a
I. SOURCES OF INFORMATION (Cité spec	ctic references, e.g. state tiles, sample i	malysis, repo	rts)			
NUS FIT II Site Inspection						· <u>-</u> · · · · · · · · · · · · · · · · · · ·
	0, 0, 0 2, 14, 4					

9	FPΔ

I. IDENT	IFICATION
OI STATE	02 SITE NUMBER
NJ	D004948188

OFDA		POTE	NIIAL HAZAR			· E	01 ST/	ATE 02 SITE NUMBER
VEFA	i	SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA D004948188						
II. DRINKING WAT	TER SUPPLY		·					
01 TYPE OF DRINKING	SUPPLY		02 STATUS				03	DISTANCE TO SITE
,0	SURFACE	WELL	ENDANGERE	D AFFEC	TED A	MONITORED		
COMMUNITY	A. 5 0	B. 🗆	A. 🗆	8. 8	כ	C. 🔀	A.	25(mi)
NON-COMMUNITY	c . 🗆	D, 🗆	0. 🗆	E. ()	F. 0	8.	(mi)
III. GROUNDWATE	R							, <u>, , , , , , , , , , , , , , , , , , </u>
01 GROUNDWATER US	SE IN VICINITY (Check	one)		*				
□ A. ONLY SOUR(☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION ☑ D. NOT USED, UNUSEABLE (Limited other zources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)							
02 POPULATION SERV	ED BY GROUND WA	TER0	-	03 DISTANCE	TO NEARES	T ORINKING WATER	WELL	>3(mi)
04 DEPTH TO GROUND	WATER	05 DIRECTION OF GRO	OUNDWATER FLOW	06 DEPTH TO OF CONCE		07 POTENTIAL YIE	ம	08 SOLE SOURCE AQUIFER
3	(ft)	east		65	(ft)	364	gpm Xgour	Ø YES D NO
OR DESCRIPTION OF W		, depth, and location relative to	copulation and buildings)					
								,
		led a 700-foot		Chlorid	e concer	itrations rai	nged f	rom
ovo ppin a	it depth to .	3600 ppm near th	e surface.			•		
				-				
10 RECHARGE AREA				11 DISCHARG		e Sito ic a	diacor	et to am cotunuimo
☐ YES COMME	☐ YES COMMENTS COMMENTS Site is adjacent to an estuaring NO reach of the Passaic River.							
<u> </u>							- 11170	
IV. SURFACE WAT	,							
01 SURFACE WATER U		☐ B. IRRIGATIO	N, ECONOMICALLY	∕ §3 C. C	OMMERCIA	AL. INDUSTRIAL	0	D. NOT CURRENTLY USED
	VATER SOURCE	IMPORTAN	IT RESOURCES	R	ecreati	onal 		
02 AFFECTED/POTENT	RALLY AFFECTED BO	ODIES OF WATER						
NAME:						AFFECTED)	DISTANCE TO SITE
Passaic R	liver							0.2 tm
Newark Ba							_	0.2 (m 1.25 (m
HEHAIK DA	· J						-	(m
V. DEMOGRAPHIC		Y INFORMATION						
01 TOTAL POPULATION	N WITHIN				02	DISTANCE TO NEAR	EST POP	ULATION
ONE (1) MILE OF	SITE TV	VO (2) MILES OF SITE	•	3) MILES OF S	HTE			
A. 2,676	<u> </u>	45,464 NO. OF PERSONS		204,354 10. OF PERSONS	-		1.0	(mi)
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 04 DISTANCE TO NEAREST OFF-SITE BUILDING								
16 559								
OS POPULATION WITHIN VICINITY OF SITE (Provide nerretive description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)								
The immediate vicinity of the site is an uninhabited industrial area. A densely								
		begins 1.0 mile						
		Ť						

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

SEPA	SITE INSPEC PART 5 - WATER, DEMOGRAPH	CTION REPORT	NMENTAL DATA	01 STATE 02 SITE NUMBER NJ D004948188
" CANGEOMACNIAL INCOMA		110, A115 2.11 1		
VI. ENVIRONMENTAL INFORMAT 01 PERMEABILITY OF UNSATURATED ZON				
□ A. 10 ⁻⁶ – 10 ⁻⁶	_	3 C. 10 ⁻⁴ – 10 ⁻³ cm/	sec 🛘 D. GREATER	THAN 10 ⁻³ cm/sec
02 PERMEABILITY OF BEDROCK (Check one	9)			
☐ A. IMPERME (Less than 18°		(10-2 - 10-4	cm/sec)	. VERY PERMEABLE (Greater than 10 ⁻² cm/sec)
03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH		
65(ft)		Unkno	own	
06 NET PRECIPITATION 0	7 ONE YEAR 24 HOUR RAINFALL	08 SLOPE SITE SLOPE	DIRECTION OF SITE S	SLOPE TERRAIN AVERAGE SLOPE
12(in)	(in)	_<1%	East	<u> </u>
09 FLOOD POTENTIAL		miles east of		
SITE IS IN 100 YEAR FLOOR	OPLAIN			, RIVERINE FLOODWAY
11 DISTANCE TO WETLANDS (5 acre minimum)	;	12 DISTANCE TO CRITIC	CAL HABITAT (of endangere	d species)
ESTUARINE	OTHER	ļ	>4	(mi)
A(mi)	в15 (mi)	ENDANGERED	D SPECIES:n	one
13 LAND USE IN VICINITY		<u> </u>		ē.
DISTANCE TO.				•
COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATION FORESTS, OR WILDLIF	NAL/STATE PARKS.	AGRI PRIME AG LAN	CULTURAL LANDS ID AG LAND
·	FOILUTO, OIL TYLEBER	e negen veg	FRINE AG LAIT	ID AG LAND
A (mi)	в. 1.0	(mi)	C	_ (mi) D(mi)
14 DESCRIPTION OF SITE IN RELATION TO	SURROUNDING TOPOGRAPHY			
Site is on flatlands bor off the site, on 9/12/84	dering the Passaic River and	Newark Bay. 1	There was surfa	ace drainage
*				•
			•	
•				
•				
_				•
-				
		·		
VII. SOURCES OF INFORMATION 16	Cite specific references, e.g., state files, sample analysis, r	epons)		
NUS FIT II Site Inspection Groundwater Resources of		Special Report	No. 28.	

POTENTIAL HAZARDOUS WASTE SITE L. IDENTIFICATION O1 STATE 102 SITE NUMBER					
SEPA		SITE INSPECTION REPORT			O04948188
	P.	ART 6 - SAMPLE AND FI	ELD INFORMATION		**:-
IL SAMPLES TAKEN	01 NUMBER OF	TO2 SAMPLES SENT TO		·	03 ESTIMATED DATE
SAMPLE TYPE	SAMPLES TAKEN	UZ SAMPLES SENT TO			RESULTS AVAILABLE
GROUNDWATER					
SURFACE WATER	1	Inorganic Analysis	California Analytic West Sacramento. CA		11/26/84
WASTE		Organic Analysis	Envirodyne Engineen St. Louis, MO	rs	
AIR				_:	
RUNOFF					
SPILL			•		
SOIL	5	Inorganic Analysis	California Analyti West Sacramento, C		11/26/84
VEGETATION		Organic Analysis	Envirodyne Enginee St. Louis. MO	rs	
OTHER	<u> </u>				
III. FIELD MEASUREMENTS TA					
O1 TYPE Organic	02 COMMENTS				ì
Vapor Analysis	There were r	eadings 5-10 ppmabo	ve background at two soil	sampling 1	ocations
	(NJ-75-5 and	NJ-75-6). Reading	s above background were r	ecorded on	both the
	HNu and OVA			······································	
		•			
IV. PHOTOGRAPHS AND MAP	S				
01 TYPE & GROUND AERIAL		02 IN CUSTODY OFNUS	Corporation		
03 MAPS 04 LOCATIO	N OF MAPS		(Name of organization or individual)		
Ø YES Si	te Location map	and Site map attack	ned. Plan map of site in	FIT files.	
V. OTHER FIELD DATA COLLE	CTED (Provide nerrative des	scription)			· · · ·
Field Notebook - 1 Photographs - refe				,	
VI. SOURCES OF INFORMATION	ON (Che specific references, e	.g., state files, sample analysis, reports)			
NUS FIT II Site I	nspection 9/12/	44.			

	-	POT	ENTIAL HAZA	ARDOUS WASTE SITE	I. IDENTIFI		
\$EPA	•		SITE INSPE	ECTION REPORT 01 STATE 02 SITE NUMBER NJ D004948188			
			PART 7 - OWN	ER INFORMATION			
II. CURRENT OWNER(S)		lo		PARENT COMPANY (// approache)		00.0	+8 NUMBER
		02.0	+B NUMBER	OB NAME		050	YO NUMBER
E. I. Dupont 03 STREET ADDRESS (P.O. Box, RFO F. etc.)		┖┐	04 SIC CODE	10 STREET ADDRESS (P.O. Box. RFD #, etc.)			11 SIC CODE
1007 Market St.		}					
05 CITY	06 STATE	07 ZI	P COOE	12 CITY	13 STATE	14 Z	P CODE
Wilmington	DE	1	9898				
01 NAME		02 D	+B NUMBER	08 NAME		09 D	+8 NUMBER
03 STREET ADDRESS (P.O. Box, RFO P, etc.)	 		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFO P, etc.)			11 SIC CODE
05 CITY	06 STATE	07 Z	IP CODE	12 CITY	13 STATE	14 Z	IP CODE
O1 NAME		02 0	+8 NUMBER	OS NAME		09 0	+8 NUMBER
O3 STREET ADDRESS (P.O. Box, RFO F, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD F, etc.)	1	11SIC CODE	
05 CITY	O6 STATE	07 Z	IP CODE	12 CITY	13 STATE	14 Z	I CODE
O1 NAME	1	02 D	+8 NUMBER	OS NAME		090)+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD P. etc.)			04 SIC COOE	10 STREET ADDRESS (P.O. Box. RFD F. etc.)	I	11 SIC CODE	
OS CITY	06 STATE	07 Z	IP CODE	12 CITY	13 STATE	14	ZIP CODE
III. PREVIOUS OWNER(S) (Last most recont first)		L	· · · · · · · · · · · · · · · · · · ·	IV. REALTY OWNER(S) (If applicable; list most	recent first)	ــــــــــــــــــــــــــــــــــــــ	
O1 NAME		02 D	+8 NUMBER	01 NAME		02 (+B NUMBER
Pitt-Consol Chemicals		L.,				<u> </u>	04 SIC CODE
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD P. etc.)			O4 SC CODE
191 Doremus Avenue	08 STATE	107.7	19 0005	I OS CITY	06 STATE	07	ZIP CODE
OS CITY	1						
Newark 01 NAME	NJ		7105 +8 NUMBER	01 NAME		02	D+B NUMBER
Consolidation Coal Co.		<u> </u>				<u></u>	04 SIC CODE
03 STREET ADDRESS (P.O. Box, AFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD P. etc.)			U4 SIC CODE
05 CITY	06 STATE	07 ZI	P CODE	05 CITY	OS STATE	07 2	CIP CODE
O1 NAME	<u></u>	02 D	+B NUMBER	O1 NAME		02	D+B NUMBER
Reilly Tar and Chemical Co.		Ц,	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD F, etc.)		1	04 SIC CODE
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 3IC CODE	OS STREET ADDRESS (F.O. SUL, NO D., SILL)			
OSCITY	06 STATE	07	ZIP COOE	05 CITY	O6 STATE	07	ZIP CODE
V. SOURCES OF INFORMATION (Cite speci	lic references,	e.g., s	tale files, sample analysis	, reports)			
 							
NUS FIT II Site Inspections 3	/8/83 a	ind !	9/12/84				

		P	OTENTIAL HAZ	ARDOUS WASTE SITE	I. IDENTI	CATION
\$EPA		•		CTION REPORT		2 SITE NUMBE
VLIA				ATOR INFORMATION	NJ	D0049481
II. CURRENT OPERAT	OR (Provide II different fra	m owner)		OPERATOR'S PARENT COMPANY (#	applicable)	
01 NAME			02 D+B NUMBER	10 NAME		11 D+8 NUM
Same as owne	er					·
03 STREET ADDRESS (P.O. I	Box, RFD #, etc.)	·	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC C
OS CITY	<u> </u>	06 STATE	07 ZIP COOE /	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	1	<u> </u>			<u> </u>
IIL PREVIOUS OPERA	TOR(S) (List mast recent fi	rst; provide o	nty il different from swner)	PREVIOUS OPERATORS' PARENT CO	MPANIES (f applicable)
01 NAME			02 D+B NUMBER	10 NAME		11 D+B NUM
Pitt-Consol Ch	emicals			Conoco Chemicals, Co.		00-842
03 STREET ADDRESS (P.O. 8	lox, RFD #, etc.)	,	04 SIC CODE	12 STREET AODRESS (P.O. Box, RFD #, etc.)		13 SIC C
191 Doremus Av	enue			Highridge Park, Box 1050		
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
Newark		NJ	07105	Stamford	СТ	06904
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING TH	IS PERIOD		<u> </u>	<u> </u>
1967-1984						
O1 NAME	·		02 D+B NUMBER	10 NAME		11 D+8 NUM
Consolidation	Coal Co.					}
03 STREET ADDRESS (P.O. Box. RFD P. etc.)			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC C

06 STATE 07 ZIP CODE

06 STATE 07 ZIP CODE

02 D+8 NUMBER

04 SIC CODE

14 CITY

10 NAME

14 CITY

12 STREET ADDRESS (P.O. Box, RFD #, etc.)

OZ SITE NUMBER D004948188

110+8 NUMBER

13 SIC CODE

11 D+B NUMBER 00-842-7692 13 SIC CODE

11 D+B NUMBER

11 D+B NUMBER

13 SIC CODE

15 STATE 16 ZIP CODE

15 STATE 16 ZIP CODE

13 SIC CODE

mid 30's to 1955 IV. SOURCES OF INFORMATION (Cite apecific references, e.g., state tites, sample analysis, reports)

09 NAME OF OWNER DURING THIS PERIOD

09 NAME OF OWNER DURING THIS PERIOD

NUS FIT II Site Inspections 3/8/83 and 9/12/84

05 CITY

01 NAME

05 CITY

08 YEARS OF OPERATION

1965-1967

08 YEARS OF OPERATION

Reilly Tar and Chemical

03 STREET ADDRESS (P.O. Box, RFD #, etc.)

\$EPA	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION I. IDENTIFICATION O1 STATE O2 SITE NUMBER NJ D004948					
	PARIS	- GENERATUR/	I NANSPURTER INFORMATION			
II. ON-SITE GENERATOR		02 D+8 NUMBER			•	
/		or or or nomber				
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE				
OS CITY	06 STATE	07 ZIP COOE				
III. OFF-SITE GENERATOR(S)	<u>. </u>					
01 NAME		02 D+B NUMBER	01 NAME		02 D+8 NUMBER	
03 STREET ADDRESS (P.O. Box, RFD P, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Bon, RFO P, etc.)		04 SIC CODE	
05 CITY	O6 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE	
O1 NAME	1	02 D+B NUMBER	01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P. O. Box. RFD F. etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
OS CITY	06 STATE	07 ZIP CODE	05 CITY	OS STATE	07 ZIP CODE	
IV. TRANSPORTER(S)		<u> </u>				
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFO P, etc.)	- <u></u>	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFO P. etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER	01 NAME	<u> </u>	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	os city	06 STATE	07 ZIP CODE	
V. SOURCES OF INFORMATION (Cate a		a state files sample engine	l recodel			
T. SOUNCES OF INT CHIMATION (CARE	pacing references, e	.g., state mes, sample analysi	s, reports)			
NUS FIT II Site Inspec	tions 3/8/8	3 and 9/12/84				
Noo 111 11 51te Inspec	C 1011337 07 0.	3 and 3/12/04				
•						
•		•				
					•	
PA FORM 2070-13 (7-81)				 		

2	FPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

⇒E PA	PART 10 - PAST RESPONSE ACTIVITIES	NJ D004948188
II. PAST RESPONSE ACTIVITIES	1	
01 A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History		
01 D B. TEMPORARY WATER SUPPLY PROVID 04 DESCRIPTION	ED 02 DATE	03 AGENCY
No Reported History		
01 C. PERMANENT WATER SUPPLY PROVID 04 DESCRIPTION	ED 02 DATE	03 AGENCY
No Reported History	OR DATE	03 AGENCY
01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION		•
No Reported History O1 D E. CONTAMINATED SOIL REMOVED	02 DATE	O3 AGENCY
04 DESCRIPTION		
No Reported History	02 DATE	03 AGENCY
01 D F. WASTE REPACKAGED 04 DESCRIPTION	UZ DATE	O AGOIO
No Reported History O1 G. WASTE DISPOSED ELSEWHERE	02 DATE	03 AGENCY
04 DESCRIPTION	UZ DATE	US AGENOT
No Reported History	00.0475	03 AGENCY
01 H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	US AGENCY
No Reported History	02 DATE	03 AGENCY
01 I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION No Reported History		
01 □ J. IN SITU BIOLOGICAL TREATMENT	02 DATE	03 AGENCY
04 DESCRIPTION		
No Reported History 01 □ K. IN SITU PHYSICAL TREATMENT	02 DATE	03 AGENCY
04 DESCRIPTION		
No Reported History	02 DATE	03 AGENCY
04 DESCRIPTION No Reported History	VI	
	02 DATE	03 AGENCY
01 DM. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	OZDATE	
No Reported History	02 DATE	03 AGENCY
01 \(\text{N}\). CUTOFF WALLS 04 DESCRIPTION	02 DATE	OS AGENOT
No Reported History		00 405400
01 O. EMERGENCY DIKING/SURFACE WATE 04 DESCRIPTION	R DIVERSION 02 DATE	03 AGENCY
No Reported History		00.4051/09
01 P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History		
01 □ O. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History		

POTENTIAL HAZARDOUS WASTE SITE

L IDENTIFICATION

♥EPA	SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	NJ D04948188
II PAST RESPONSE ACTIVITIES (Continued)		
01 C R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION No Reported History	02 DATE	03 AGENCY
01 Ø S. CAPPING/COVERING 04 DESCRIPTION	02 DATE <u>between 1955 a</u> nd 1967	03 AGENCY Unknown
Tar fill is partially covered b O1 [] T. BULK TANKAGE REPAIRED O4 DESCRIPTION	02 DATE	03 AGENCY
No Reported History 01 □ U.GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION No Reported History	02 DATE	03 AGENCY
01 U. BOTTOM SEALED 04 DESCRIPTION No Reported History	02 DATE	03 AGENCY
01 [W. GAS CONTROL 04 DESCRIPTION No Reported History	02 DATE	
01 \(\to X\). FIRE CONTROL 04 DESCRIPTION No Reported History	02 DATE	•
01 Y. LEACHATE TREATMENT 04 DESCRIPTION No Reported History	02 DATE	
01 Z. AREA EVACUATED 04 DESCRIPTION No Reported History	02 DATE	03 AGENCY
01 ☐ 1. ACCESS TO SITE REŞTRICTED 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History 01 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History 01 □ 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
No Reported History		

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS FIT II Site Inspections 3/8/83 and 9/12/84



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NJ D004948188

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION XYES [] NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

EPA files contain an Enforcement Report dated 4/15/76, which lists an SPCC number of 47620 for Pitt-Consol. A code violation was reported by the Inspector.

EPA files also contain an incident report to the state office of Hazardous Substance Control from P.O. Allen of the U.S. Coast Guard (212-668-7936), dated May 12, 1981. The report indicates that an "unknown" red liquid was released into the Passaic River by dumping or illegal discharge on May 11, 1981. Pitt-Consol is confirmed as the source of the spilled substance. The case number is 81-05-12-003.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA files

SECTION 3

MAPS AND PHOTOGRAPHS

APPENDIX A

MAPS AND PHOTOS

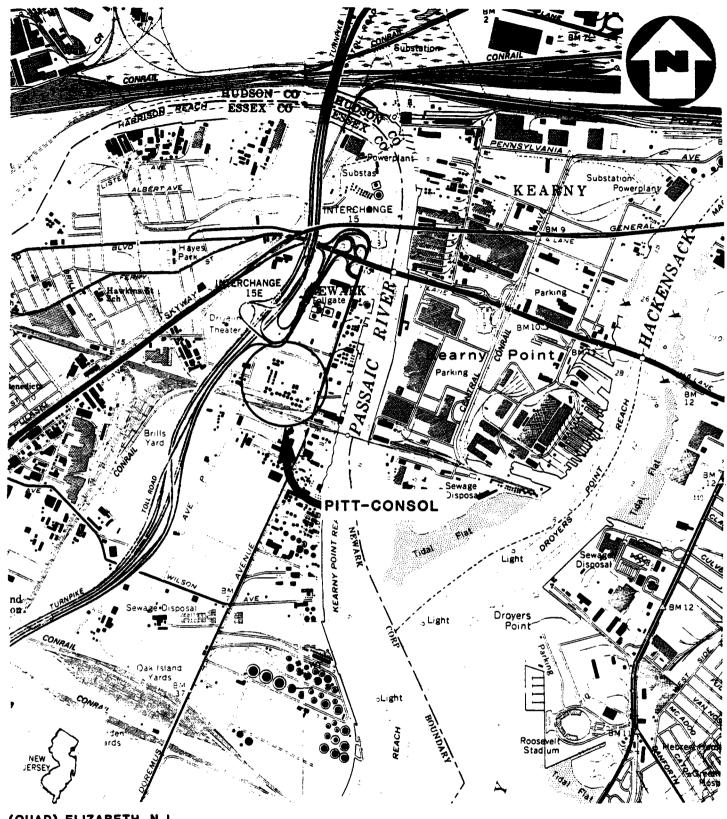
MAPS AND PHOTOS

Figure A-l provides a Site Location Map.

Figure A-2 provides a Site Map.

Figure A-3 provides a Sample Location Map.

Exhibit A-1 provides photographs of the site.



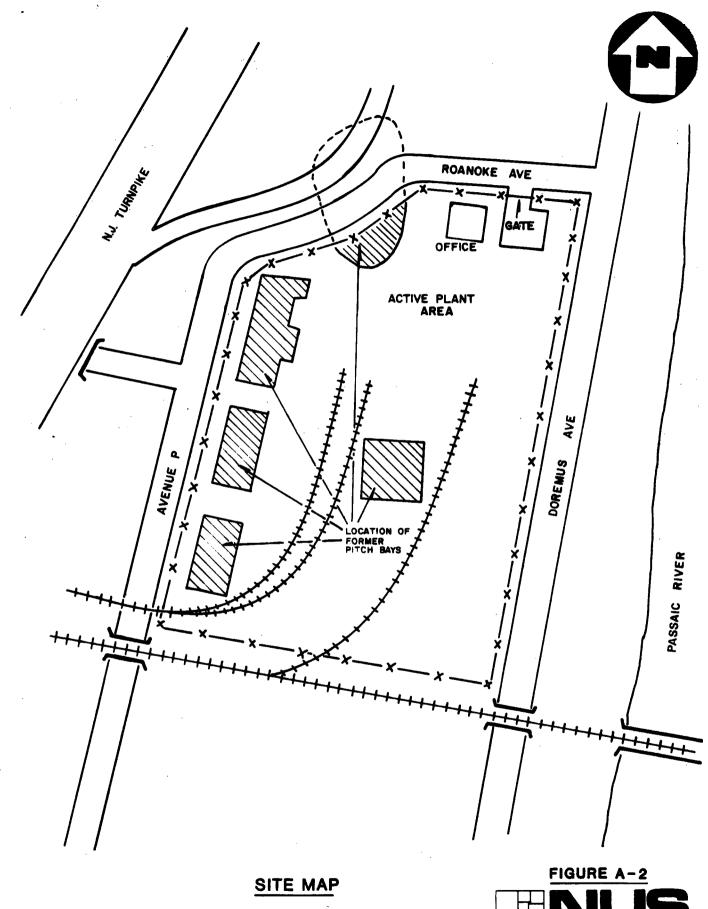
(QUAD) ELIZABETH, N.J.

SITE LOCATION MAP

PITT-CONSOL, NEWARK, N.J.

SCALE: 1'= 2000'



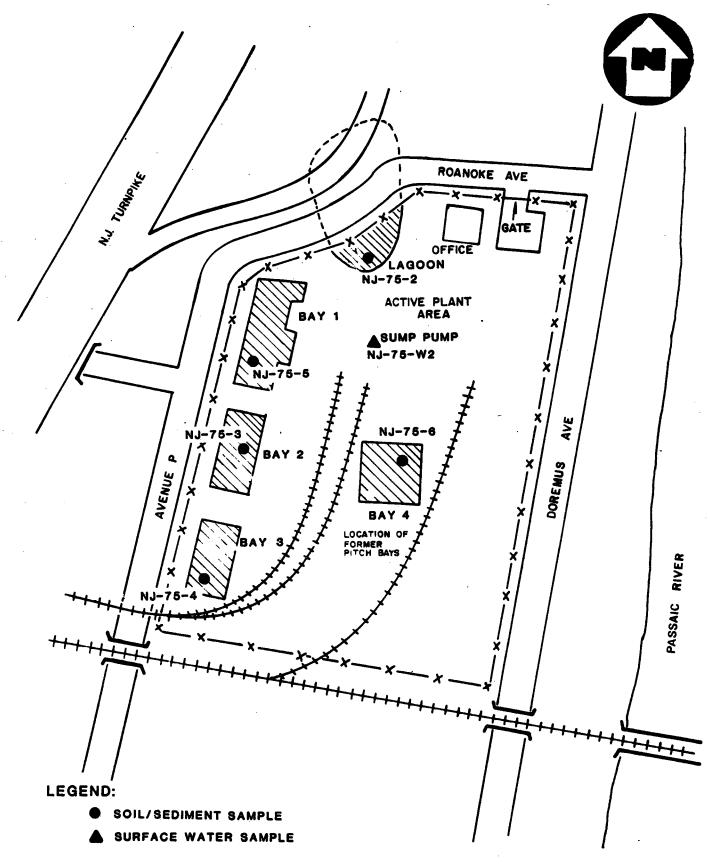


PITT-CONSOL, NEWARK, N.J.

(NOT TO SCALE)



A Halliburton Company



SAMPLE LOCATION MAP

PITT-CONSOL, NEWARK, N.J.

(NOT TO SCALE)

FIGURE A-3



A Halliburton Company

PHOTOGRAPHIC INDEX

PITT-CONSOL CO.

EXHIBIT A-1

Photo Number	Description	Time
1.	March 2, 1983 Gravelled surface in inactive plant area. Photographer: Scott Stanford	
2.	March 2, 1983 Gravelled surface covering former tar waste impoundments, along the western boundary of the facility.	
•	Photographer: Scott Stanford	•
3.	March 2, 1983 Gravelled surface covering former lagoon. Located in the northwest corner of the facility. Photographer: Scott Stanford	
4.	March 2, 1983 Brick and wood fill material used to cover tar waste impoundments.	
•	Location: southwest corner of the facility. Photographer: Scott Stanford	
5.	September 12, 1984 Art Rosenbaum and Nick Dmytryszyn collecting soil sample NJ-75-2. Note tar waste on the ground surface. Location is former lagoon at northwest corner of the facility. Photographer: Mike Nicholas	1350
6.	September 12, 1984 Nick Dmytryszyn and Art Rosenbaum collecting scil sample NJ-75-3. Location is former pitch bay #2 on the western side of the facility. Photographer: Mike Nicholas	1405

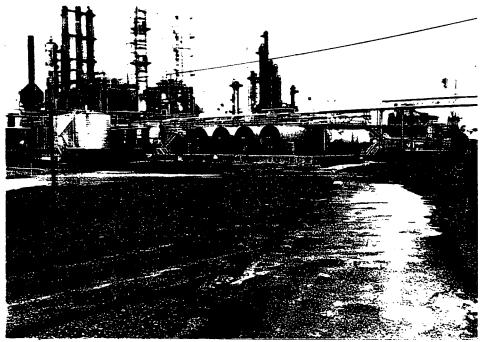
PHOTOGRAPHIC INDEX (cont'd)

PITT-CONSOL CO.

EXHIBIT A-1

Photo Number	Description	<u>Time</u>
7.	September 12, 1984 Art Rosenbaum and Nick Dmytryszyn ccllecting soil sample NJ-75-4. Location is former pitch bay #3 at the southwest corner of the facility. Photographer: Mike Nicholas	1413
8.	September 12, 1984 Art Rosenbaum collecting soil sample NJ-75-5. Location is former pitch bay #1 along western edge of the facility. Photographer: Mike Nicholas	1426
9.	September 12, 1984 Art Rosenbaum collecting soil sample NJ-75-6. Location is former pitch bay #4 in the central portion of the facility. Photographer: Mike Nicholas	1437
10.	September 12, 1984 Art Rosenbaum and Nick Dmytryszyn collecting water sample NJ-75-W2 from the sump pump, located in the north central portion of the facility. Photographer: Mike Nicholas	1455





1. March 2, 1983
 Gravelled surface in inactive plant area.
 Photographer: Scott Stanford.



March 2, 1983 Gravelled surface covering former tar waste impoundments, along the western boundary of the facility. Photographer: Scott Stanford





3. March 2, 1983
Gravelled surface covering former lagoon.
Located in the northwest corner of the facility.
Photographer: Scott Stanford



4. March 2, 1983 Brick and wood fill material used to cover tar waste impoundments. Location: southwest corner of the facility. Photographer: Scott Stanford





5. September 12, 1984 1350
Art Rosenbaum and Nick Dmytryszyn
collecting soil sample NJ-75-2. Note
tar waste on the ground surface. Location
is former lagoon at northwest corner of the facility.
Photographer: Mike Nicholas



6. September 12, 1984 1405
Nick Dmytryszyn and Art Rosenbaum collecting
soil sample NJ-75-3. Location is former pitch
bay #2 on the western side of the facility.
Photographer: Mike Nichclas





7. September 12, 1984 1413
Art Rosenbaum and Nick Dmytryszyn collecting soil sample NJ-75-4. Location is former pitch bay #3 at the southwest corner of the facility.

Photographer: Mike Nicholas



8. September 12, 1984 1426
Art Rosenbaum collecting soil sample NJ-75-5.
Location is former pitch bay #1 along western edge of the facility.
Photographer: Mike Nicholas





9. September 12, 1984 1437
Art Rosenbaum collecting scil sample NJ-75-6.
Location is former pitch bay #4 in the central portion of the facility.
Photographer: Mike Nicholas



10. September 12, 1984 1455
Art Rosenbaum and Nick Dmytryszyn collecting water sample NJ-75-W2 from the sump pump, located in the north central portion of the facility.

Photographer: Mike Nicholas

SECTION 4 DOCUMENTATION RECORDS FOR HAZARDOUS RANKING SYSTEM

DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME:	Pitt-Consol Chemical Company
LOCATION:	191 Doremus Avenue, Newark, N.J.
DATE SCORED:	
PERSON SCORING:	Michael Nicholas

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.): NUS FIT II Site Inspection on 3/08/84 and 9/12/84.

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

Waste Characteristics (Toxicity and Persistence)

COMMENTS OR QUALIFICATIONS:

Air route scored zero since no readings above background were obtained on an OVA or HNu during the 9/12/84 Site Inspection unless soil was disturbed by investigative personnel. Fire and Explosion scored zero since a state or local fire marshall has not certified that the facility presents a significant fire or explosion threat.

GROUNDWATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Brunswick aquifer, consisting of sandstone and shale.

Ref: #1

Depth(s) from the ground surface to the highest seasonal level of the saturated zone water table(s) of the aquifer of concern:

The groundwater table may contact zones of contamination during highest seasonal level.

Ref: #3

Depth from the ground surface to the lowest point of waste disposal/storage:

3 ft. - 5 ft.

Ref: #3

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

44 in/yr.

Ref: #4

Mean annual lake or seasonal evaporation (list months for seasonal):

32 in/yr.

Ref: #4

Net precipitation (subtract the above figures):

12 in/yr.

Ref: #4

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Pleistocene Ground Moraine

Ref: #1

Permeability associated with soil type:

 $10^{-5} - 10^{-7}$ cm/sec

Ref: #4

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

cresylic and picric acid - liquid

roofing pitch - sludge

coke, resins - solid

Ref: #3

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Surface Impoundments with no liner, only a thin gravel cover.

Ref: #3

Method with highest score:

Surface Impoundments

Ref: #4

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Compound with highest score:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

24,200 cubic yards.

Ref: #3

Basis of estimating and/or computing waste quantity:

The site contains four former pitch bays and one former lagoon, which cover 5 acres and are 3 to 5 feet deep.

Ref: #3

* * *

5 TARGETS

Groundwater Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Industrial uses only.

Ref: #1

Ref: #5

Distance to Nearest Well

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

Albon Finishes, Inc.

Ref: #1

Ref: #5

Distance to above well or building:

Approximately 0.25 mi

Ref: #1

Ref: #5

Population Served by Groundwater Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from <u>aquifer(s)</u> of <u>concern</u> within a 3-mile radius and populations served by each:

Population not served by groundwater in this area.

Ref: #5

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre).

There is no land within a 3-mile radius that is irrigated by groundwater.

Ref: #5

Total population served by groundwater within a 3-mile radius:

Zero

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

Rationale for attributing the contaminants to the facility:

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

The slope is less than 1% east toward the Passaic River.

Ref: #6

Name/description of nearest downslope surface water:

Passaic River

Ref: #3

Average slope of terrain between facility and above-cited surface water body in percent:

Less than 1%

Ref: #6

Ref: #5

Is the facility located either totally or partially in surface water?

No. The facility is located 500 feet to the west of the Passaic River.

Is the facility completely surrounded by areas of higher elevation?

No. The facility is on a flood plain of the Passaic River.

Ref: #5

1-Year 24-Hour Rainfall in Inches

2.7

Ref: #7

Distance to Nearest Downslope Surface Water

500 ft.

Ref: #5

Physical State of Waste

cresylic and picric acid - liquid roofing pitch - sludge coke, resins - solid

Ref: #3

Ref: #6

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Surface Impoundments with no liner, only a thin gravel cover.

Ref: #3

Method with highest score:

Surface Impoundments.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Compound with highest score:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

24,200 cubic yards

Ref: #3

Basis of estimating and/or computing waste quantity:

The site contains four former pitch bays and one former lagoon, which cover 5 acres and are 3 to 5 feet deep.

Ref: #3

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance: Recreational and Industrial uses.

Ref: #1

Is there tidal influence?

Yes. The facility is located 1.25 miles from the Newark Bay.

Ref: #5

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

>2 miles

Ref: #5

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

1.0 miles

Ref: #5

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

>1 mile

Ref: #5

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

Newark's water supply is located 25 miles to the northwest.

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

N/A

Ref: #3

Total population served:

Zero

Ref: #3

Name/description of nearest of above water bodies:

N/A

Distance to above-cited intakes, measured in stream miles.

N/A

AIR ROUTE

I OBSERVED RELEASE

Contaminants detected:

No levels of a contaminant at or in the vicinity of the facility exceeded background levels.

Ref: #6

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

FIRE AND EXPLOSION

1 CONTAINMENT

Hazardous substances present:

A state or local fire marshall has not certified that the facility presents a significant fire or explosion threat.

Ref: #6

Type of containment, if applicable:

* * *

2 WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Ignitability

Compound used:

Reactivity

Most reactive compound:

Incompatibility

Most incompatible pair of compounds:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

Basis of estimating and/or computing waste quantity:

,

3 TARGETS

Distance to Nearest Population

Distance to Nearest Building

Distance to Sensitive Environment

Distance to wetlands:

Distance to critical habitat:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

Population Within 2-Mile Radius

Buildings Within 2-Mile Radius

DIRECT CONTACT

1 OBSERVED INCIDENT

Date, location, and pertinent details of incident:

2 ACCESSIBILITY

Describe type of barrier(s):

The facility is tightly secured by a chain link fence. Ref: #6

3 CONTAINMENT

Type of containment, if applicable:

Surface impoundments with no liner, only a thin gravel cover.

Ref: #3

4 WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Compound with highest score:

5 TARGETS

Population Within One-Mile Radius

2,676

Ref: #5

Distance to Critical Habitat (of Endangered Species)

>1 mile

SECTION 5 HAZARDOUS RANKING SYSTEM SCORING FORMS

Facility name: Pitt-Consol Chemical Co.
Location: Newark, N.J.
EPA Region:
Person(s) in charge of the facility:
Name of Reviewer: Michael Nicholas Dete: 12-31-84
General description of the facility:
(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)
Tablery; Contestinguon route of major concern, types of anomason mesons for family agency assert and
The facility covers 37 acres and is now inactive. Four former surface impound-
ments approximately three feet in depth and one former lagoon with no known liner
are present on site. 24,200 cubic yards of waste is contained in these impound-
ments. The wastes generated were petrochemical derivatives: napthalene. phenol.
cresylic acid, and roofing pitch. Infiltration of contaminated groundwater
into the Passaic River is possible.
Scores: $S_M = (S_{gw} = S_{sw} = S_a = 0)$
S _{FE} = O
S _{DC} = O

FIGURE 1 HRS COVER SHEET

		Ground Water Route Work She				
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Release	(a) 45	1	0	45	3.1
	If observed release	is given a score of 45, proceed to line 2]. }			
2]	Route Characterist Depth to Aquifer		2	6	6	3.2
	Concern Net Precipitation Permeability of the	0 1 2 3	1	2	3	
	Unsaturated Zol	· · · · · · · · · · · · · · · · · · ·	1	3	3	
	!	Total Route Characteristics Score	•	12	15	
3]	Containment	0 1 2 3	1	3	3	3.3
1	Waste Characteris Toxicity/Persiste Hazardous Wast Quantity	٦	18 8	3.4		
				•		
		Total Waste Characteristics Sco	70		26	
3	Targets Ground Water U Distance to Nea Well/Populatio Served	rest) @ 4 6 8 10	3	3	9 40	3.5
		Total Targets Score		3	49	-
9	If line 1 is 48.	multiply 1 . x 4 x 5 nultiply 2 x 3 x 4 x 5		,	57,330	
7	Divide line 6	y 57,330 and multiply by 100	sgw	•		

Surface Water Route Work Sheet										
	Rating Factor			ned Value de One)		Multi- plier	Score	Max. Score	Ref. (Section)	
0	Observed Release	·	6	Ŀ	MH.	1	45m	45	4.1	
	If observed release	is given a vi	alue of 45 alue of 0.	, proceed	to line 4.					
2	Route Characteristic		(1)	2 3		1	oʻ	3	4.2	
	Terrain 1-yr. 24-hr. Rainfa Distance to Neart Water	uil est Surface	0 1 0 1	② 3 2 ③		1,	2 6	3 6		
	Physical State		0 1	2 ③		1	3	3		
		Tota	i Route (Character	stics Score		11	15	·	
3	Containment		0 1	2 3		1		3	4.3	
4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity O 3 6 9 12 15 18 1 O 1 2 3 4 5 6 7 8 1							18	4.4	
		Tot	ai Waste	Character	istics Score		·	26		
3	Targets Surface Water U Distance to a Se Environment Population Serve	nsitive	10	1 2	3 8 10	3 2 1	620	9 6 40	4.5	
	to Water Intake Downstream		24 3		0 5 40		T .	T	ו	
		,	Total	Targets :	Score		6	55		
<u></u>	If line 1 is 45,	multiply 1 nultiply 2	* 4 ; * 3 *	4 × (5			64,350		
7	Divide line 6 b	y 64,350 and	multiply	by 100		Ssw	-			

	- Air Route Work Sheet										
	Rating Factor		Assi (C	Score	Max. Score	Ref. (Section)					
1	Observed Release)	0		45	1		45	5.1		
	Date and Location	:						•			
	Sampling Protocol	:									
	If line 1 is 0, the $S_a=0$. Enter on line 5 . If line 1 is 45, then proceed to line 2 .										
2	Waste Characteris Reactivity and Incompatibility Toxicity	tics	0 1	2 3		1		3	5.2		
	Hazardous Waste Quantity	•	0 1		4 5 6 7	_		8.			
		·	•			•					
		То	tai Waste	Charac	teristics Score			20	·		
3	Targets Population Within 4-Mile Radius Distance to Sensi		3 21 24	12·15 27·30 2/3	18	1.	•	30	5.3		
	Environment Land Use			2 3		1		3			
		•	· .			J.					
			Total	Target	s Score			39			
4	Multiply 1 × 2	1 × 3				•		35,100			
3	Divide line 4 b	y 35,100 and	multiply	by 100		S.a -	•				

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	\$ s ²
Groundwater Route Score (Sgw)	
Surface Water Route Score (S _{SW})	
Air Route Score (Sa)	i
$s_{gw}^2 + s_{sw}^2 + s_a^2$	
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$	
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 - s_M =$	

		F	ire a	nd E	×ρ	iosi	on	Wo	rk She	et				
	Rating Factor Assigned Value Multi- (Circle One) Plier							Score	Max. Score	Ref. (Section)				
1	Containment		1 3 1								3	7.1		
2	Waste Characteristic Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity	cia	•	1 1 1 1	2 2 2		4	5	6 7	8	1 1 1 1	, ,	3 3 3 3 8	7.2
	Г	Tota	Wat	ste (Cha	rac	teri	stic	s Sco	re	· — —		20	
3	Targets Distance to Neare Population	st	0	1	2	3	4	5			1		5	7.3
	Distance to Neare Building Distance to Sensit		0		2	3					1	•.	3	
	Environment Land Use Population Within		0	1	2	3	4	5			1 1		3 5	
	2-Mile Radius Buildings Within 2-Mile Radius		0	1	2	3	4	5	•		1		. 5	
	{		T	otal	Ta	ıge	ts S		re				24	
4	4 Multiply 1 x 2 x 3							,	1,440					
5				oly !	by '	100					SFE	•		

Direct Contact Work Sheet									
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)				
1 Observed Incident	() 45	1	O	45	8.1				
If line 1 is 45, proceed if line 1 is 0, proceed			•						
2 Accessibility	123	1	0	3	8.2				
3 Containment	0 (5)	. i	15	15	6.3				
Waste Characteristics Toxicity	0 1 2 3	5		15	8.4				
Targets Population Within a 1-Mile Radius	0 1 2 3 4 5	4	3	20	8.5				
Distance to a Critical Habitat	(5)123	4	0	12					
		•			-				
			•						
			. •						
·		•							
			.	T	7				
	Total Targets Score		.3	32	 				
f tine 1 is 45, multip	y (1 × 4 × 5 , 2 × 3 × 4 × 5			21,60	•				
7 Divide line 6 by 21,6	00 and multiply by 100	SDC	•						

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SECTION 6 BIBLIOGRAPHY OF INFORMATION SOURCES

BIBLIOGRAPHY OF INFORMATION SOURCES

HRS MODEL

	SOURCE	LOCATION
1.	Groundwater Resources of Essex County, New Jersey. Special Report No. 28	NUS Corp., Edison, N.J.
2.	Special Report 10, Preliminary Report on the Geology and Groundwater Supply of the Newark, New Jersey, Area	NUS Corp., Edison, N.J.
3.	NUS FIT II Site Inspection 3/08/84	NUS Corp., Edison, N.J.
4.	Uncontrolled Hazardous Waste Site Ranking System - A Users Manual	NUS Corp., Edison, N.J.
5.	US Geological Survey Maps. 7.5' series - Elizabeth, Jersey City, Weehauken, and Orange quad. maps.	NUS Corp., Edison, N.J.
6.	NUS FIT II Site Inspection 9/12/84	NUS Corp., Edison, N.J.
7.	New Jersey 24 Hour Rainfall Annual Series Values	NUS Corp., Edison, N.J.

SECTION 7 PRESS RELEASE SUMMARY-MITRE HAZARDOUS RANKING SYSTEM

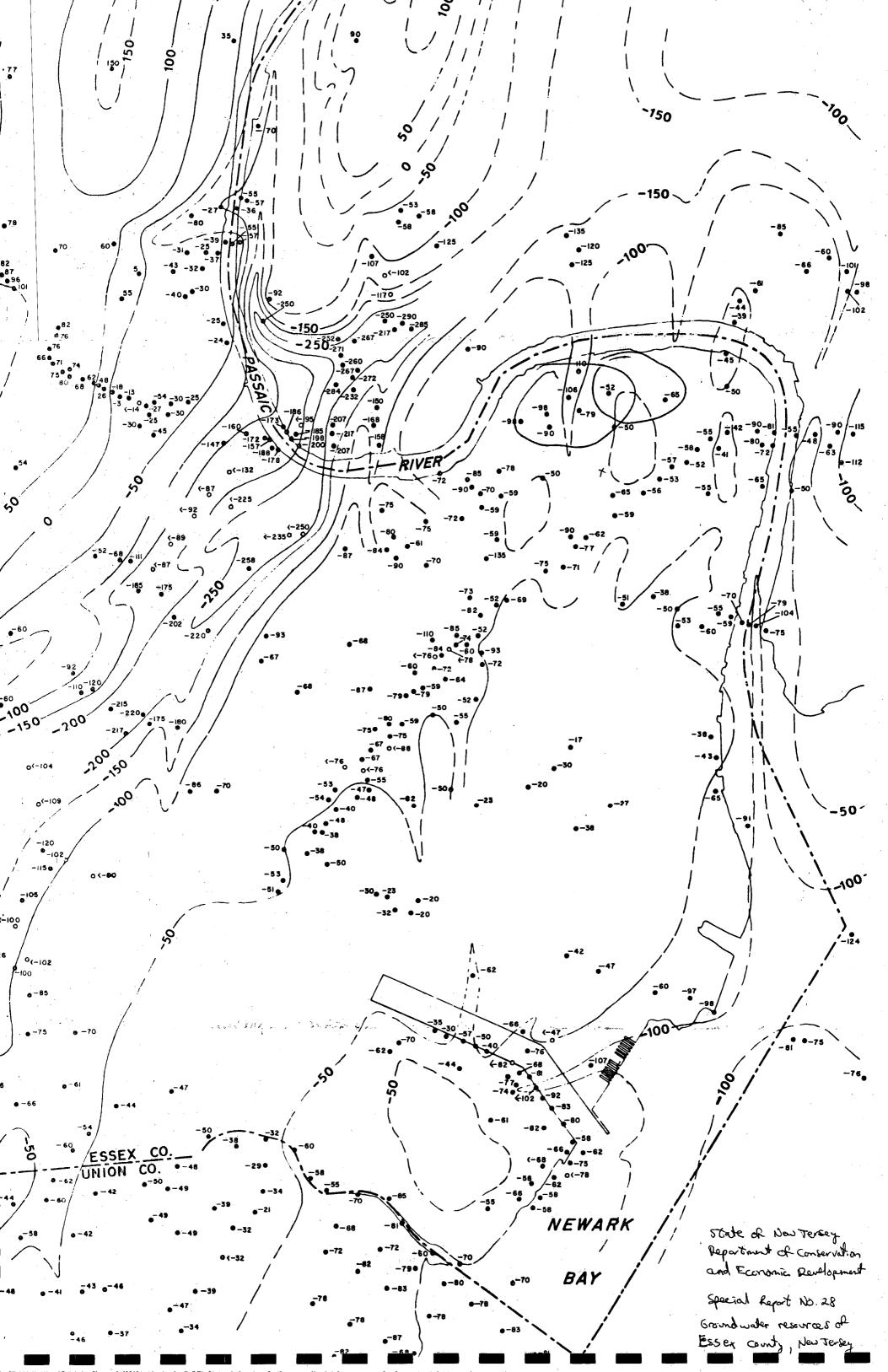
Summary Statement Pitt-Consol Chemical Company Newark, New Jersey

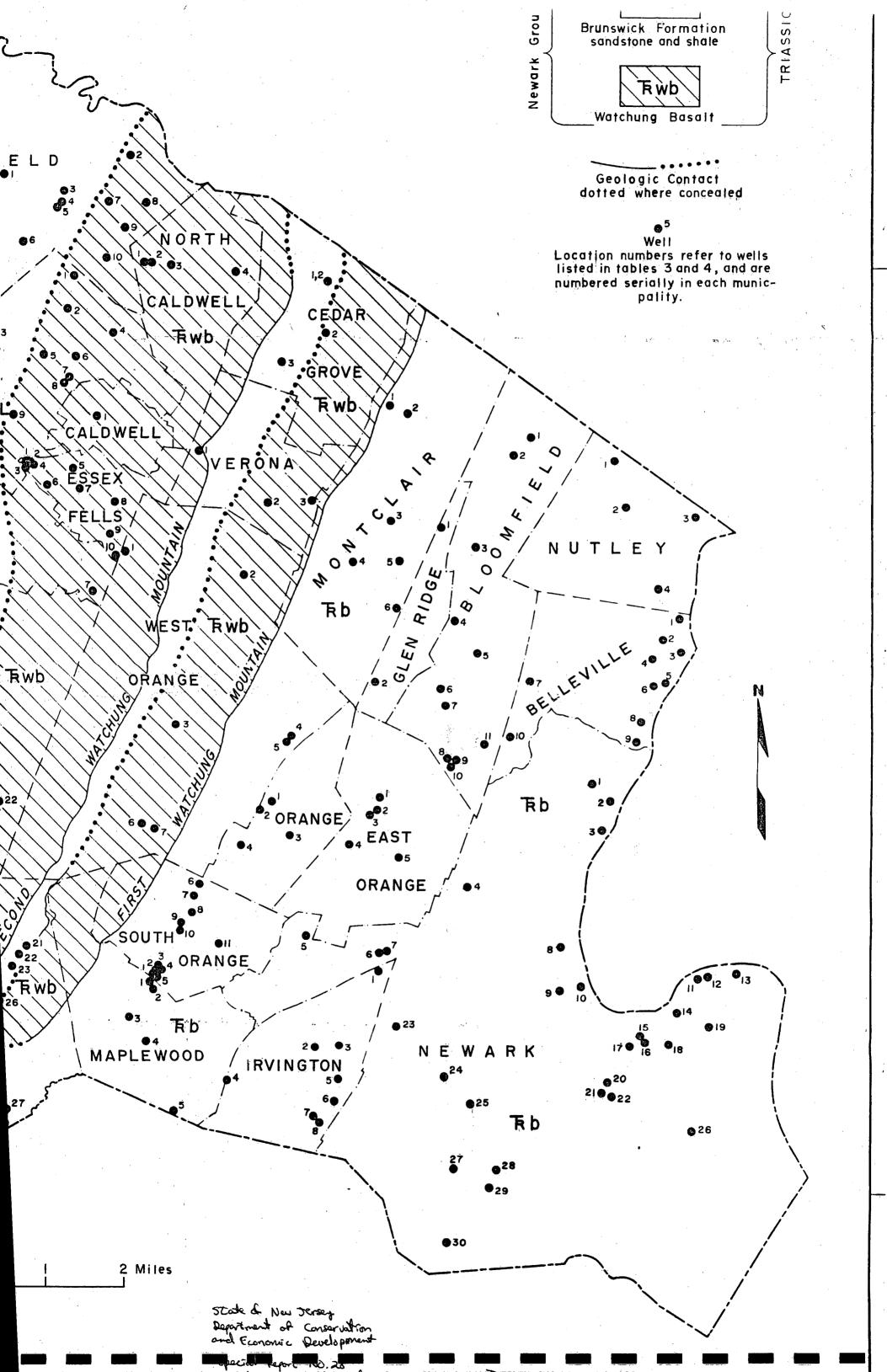
Pitt-Consol Chemical Company is located in Newark, Essex County, New Jersey. The facility covers 37 acres and is now inactive, undergoing dismantlement procedures. The facility has approximately 24,200 cubic yards of waste stored on site. The wastes were placed in four surface impoundments and one lagoon between 1917 and 1955.

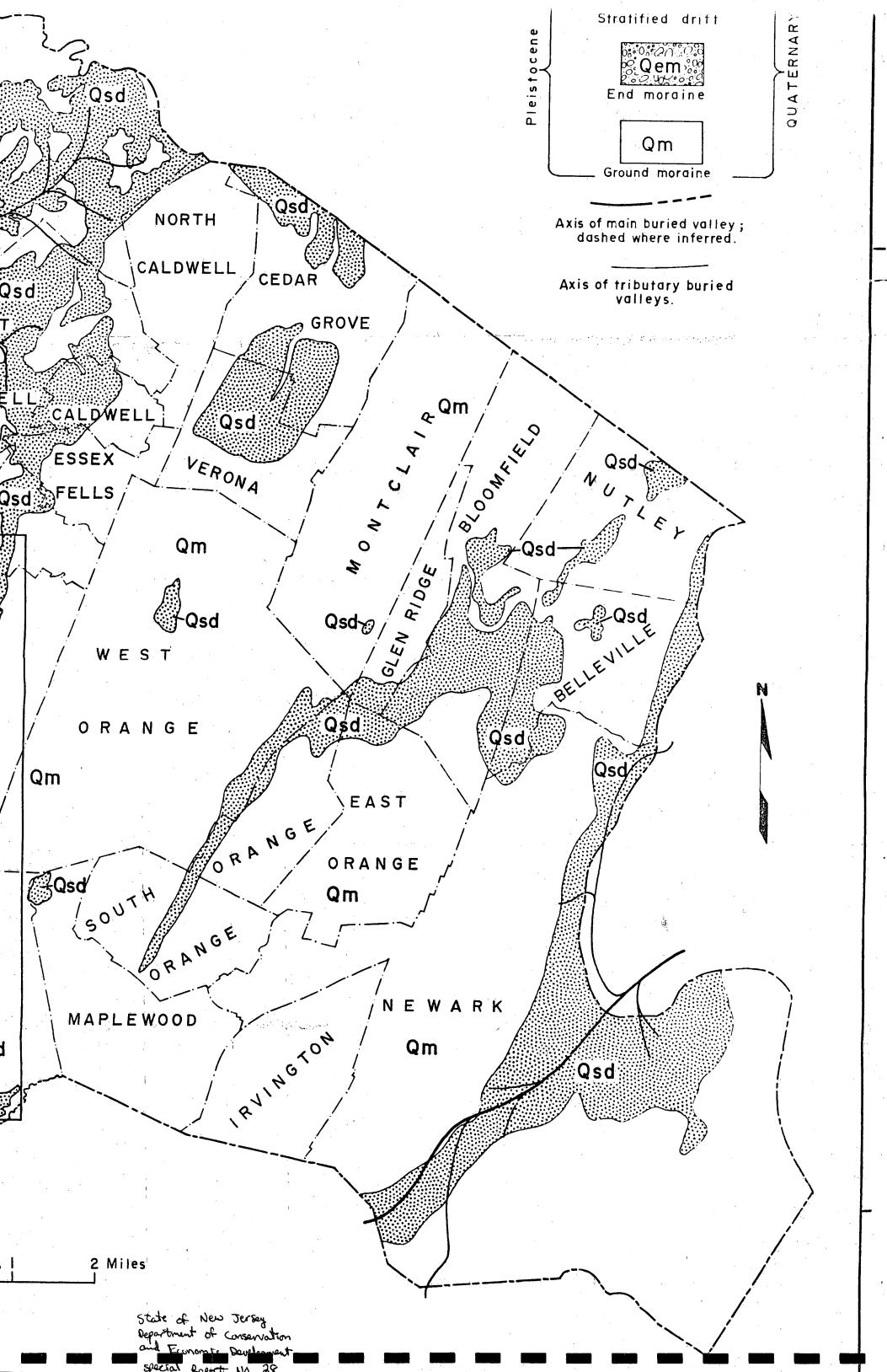
The wastes generated on site consisted of petrochemical derivatives: napthalene, phenol, cresylic acid, roofing pich, and coke. Picric acid was also produced on site by Reilly Tar, former owners of the Pitt-Consol property from the mid 1930's to 1955.

Primary concern is for the contamination of the Passaic River. Infiltration of contaminated groundwater into the Passaic River is possible, since groundwater flow is toward the river.

SECTION 8 ATTACHMENTS- CITED DOCUMENTS







Aquifer name:
Qsd, Stratified drift
TRb, Brunswick Formation
TRwb, Watchung Basalt

TABLE 2.—RECORDS OF SELECTED WELLS IN ESSEX COUNTY, N. J.—Continued

Remarks: O.W., Owners well number

Total tude depth drilled Static Well Diamabove Owner or Tenant Driller which Screen level eter of mean Drawwell Specific Yield below Aquifer sea capacity (ft) land level (ft) larid sur-(gpm) Remarks (inches) face (ft) surface (feet) NEWARK (CITY) - Continued Celanese Corp. of Amer. P. H. & J. Colan 1924 12 **805** 16-10 попе TRb 176 400 16 28 14.29 Celanese Corp. of Amer. O.W. 26 Layne-New York Co. 5-16-47 14 856 16-10 none TRb 147 778 17 J. Hensler Brewing Co. 19, 45 O.W. 27 P. Chaffitelli 12-14-49 12 700 10-8 none TRb 60 450 240 18 Synthetic Plastics Co. 1.79 O.W.4 Industrial Well & Pump Co. 1-15-63 14 600 145 ТRЬ 150 **30**C 110 Ablon Finishes, Inc. 2.73 O. W. 1 Frank Bott 7-12-60 15 500 попе TRb 30. 360 70 20 5.14 Cotan Corporation -----1930 10 290 none TRb 160 95 1.59 21 Universal Grain Co. Wm. Stothoff Co., Inc. 10-18-51 10 303 79 none TRb 143 200 53 3, 77 22 Mother's Food Products, Inc. -----1959 11 400 107 none ТRЬ 94 125 15.62 23 Kar Auto Service Co. P. Chaffitelli 2- 8-50 208 300 none TRb 23 104 24 . 58 Food Fair Stores Burrows Well Drilling Co. April, 1955 100 298 35 none TRb 105 250 25 45 5.56 S. & S. Super Service Corp. Rinbrand Well Drilling Co. 2-18-50 50 190 6 none TRb 45 20 -------Rutherford & Delaney 26 Garden State Holding Co. Artesian Well & Pump Co. 7-31-56 220 8-6 42 попе TRb 22 73 100 1.37 27 0.W.1 Linde Air Products Co. Artesian Well & Equip. Co. July, 1954 10 500 12 попе TRb 17 124 190 . ć5 28 C-O Two Fire Equipment Co. Parkhurst Well & Pump Co. 4-27-50 10 603 10 127 none TRb 35 89 215 . 41 29 Suburban Motor Lodge, Inc. Rinbrand Well Drilling Co. June, 1950 10 555 126 none TRb 15 20 235 .08 30 S. B. Penick & Co. Wm. Stothoff Co., Inc. 6- 7-61 400 10 75 none TRb 60 23 644 28.00 O.W. 2 NORTH CALDWELL BOROUGH 1 Green Brook Country Club H. A. Kieffer July, 1951 310 300 33 none 41 25 0.8.3 Green Brook Country Club TRb & flowing H. A. Kieffer March, 1925 290 301 25 gpm TRwb -------O.W. I. Ecdnilled 19-2 A. Struss H. A. Kieffer 8-16-55 182 42 TRwb none ชีวี 25 A. F. Leitner Algeier Bros. 5-24-53 - - -195 25 none TRWb

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2-30.3

NEW JERSEY 24 HOUR RAINFALL ANNUAL SCHICS VALUES

•				-			
County	1 yr	(2 yr	5 yr	10 yr	25 yr	. 50 yr	100 yı
	• •						
Atlantic	2.8	∴3.5	4.5	5.5	6.2	6.8	7.6
Bergen	2.7	-3.3	4.3	5.3	5.7	6.5	7.5
Burlington	2.8	3.4	4.4	5.3	6.0	6.6	7.4
Camden	2.8	3.4	4.4	5.3	5.9	6.6	7.4
Cape May	2.9	3.5	4.6	5.6	6.3	6.9	7.7
Cumberland	2.8	3.4'	4.5	5.4	6.0	6.8	
Essex	2.7	3.3		5.3	5.7		7.5
Gloucester	2.8	3.4	4.4	5.3		6.4	7.5
Hudson	2.7	-3.3	4.3		5.9	6.6	7.4
Hunterdon	2.6	-3.2		5.3	5.7	6.4	7.5
Mercer	2.7		4.2	5.0	5.7	6.5	7.3
Middlesex		3.3	4.3	5.2-	5.8	6.4	7.5
	2.7	3.3	4.3	5.2	5.9	6.4	7.5
Monmouth	2.8	3.4	4.4	5.3	6.0	6.5	7.5
Morris	2.6	3.3	4.3	5.2-	5.7	6.5	7.5
Ocean 🗸	2.8	3.5	4.5	5.4	6.2	6.6	7.5
Passaic	2.6	3.3	4.3	5.4	5.7	6.5	7.6
Salem	2.8	3.3	4.4	5.3	5.9	6.6	7.4
Somerset	2.7	3.3	4.3	5.2	5.7	6.5	7.5
Sussex	2.6	3,.2	4.2	5.0	5.7	6.6	7.5
Union	2.7	3.3	4.3	5.3	5.8	6.4	7.5
Warren	2.6	3.2	4.1	, 4 , 9-	5.6	6.5	7.2
		· · ·	• • •	, , , , , , , ,	3.0	0.5	1.2